NATIONAL PARTNERSHIP FOR QUALITY AFTERSCHOOL LEARNING

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AFTERSCHOOL TRAINING TOOLKIT

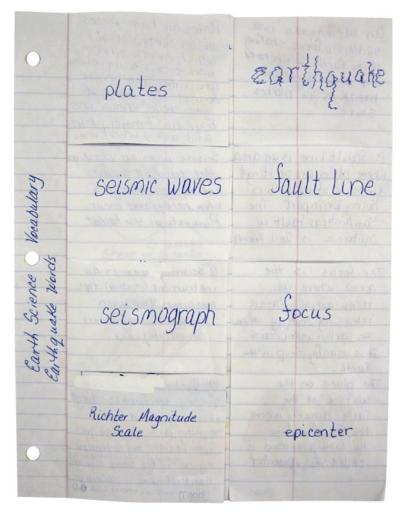
Integrating Science Across the Curriculum

Exploring Earthquakes: Vocabulary Word Graphic Organizer

Description:

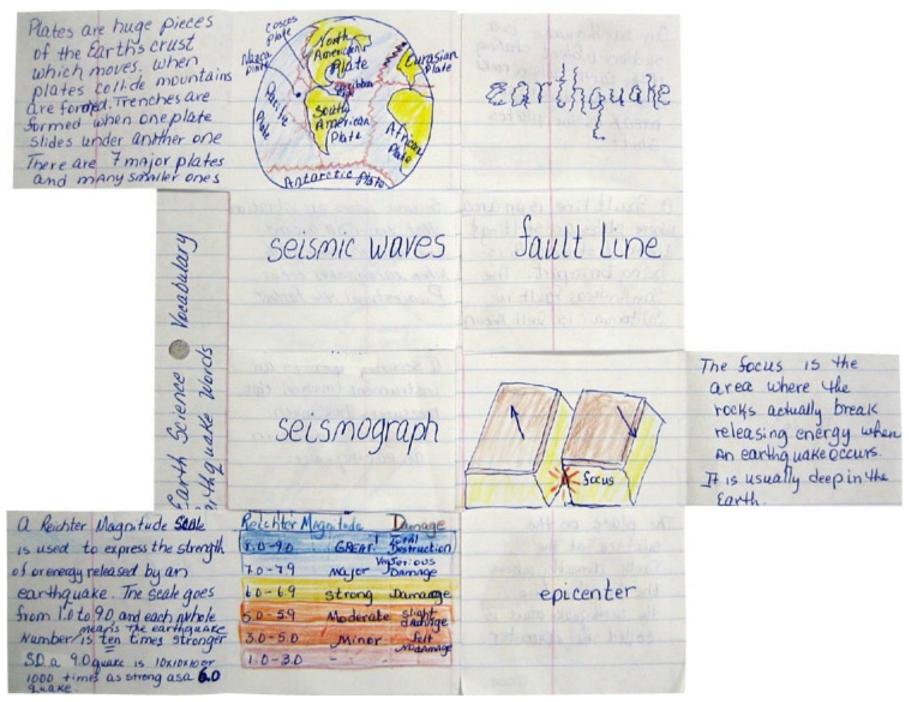
Science texts often include new vocabulary words and concepts that students may find difficult to understand. Graphic organizers can help students visualize and categorize complex concepts and information. In this example, vocabulary words associated with earthquakes were chosen: plates, earthquake, seismic waves, fault line, seismograph, focus, Richter Magnitude Scale, and epicenter. Other words were found in *The Restless Earth* and *The Magic School Bus Inside the Earth*.

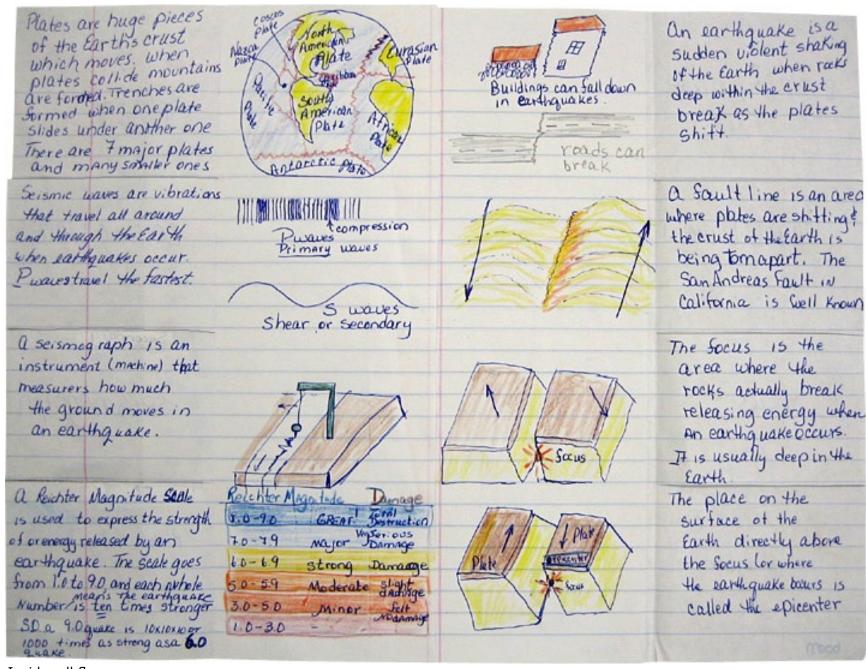
Students create the foldable by cutting and gluing notebook paper, as illustrated. They write the vocabulary word on the outside of the flap and its definition on the inside. Then they create a picture or illustrations that will help them visualize what the word means. In doing this lesson, have students create the vocabulary foldable, and then attempt the more complex Earth foldable.



The 3-D graphic organizers (called "foldables") presented in this lesson were adapted from the work of Dinah Zike.

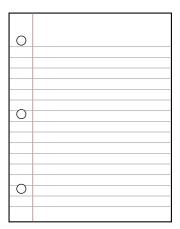
Outside front.





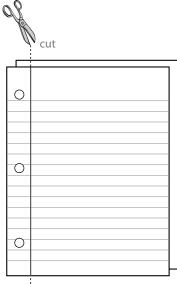
Inside, all flaps open.

Instructions:



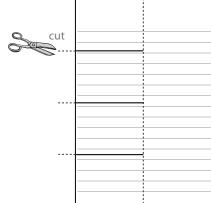
Step 1.

Start with a sheet of lined paper for the backing.



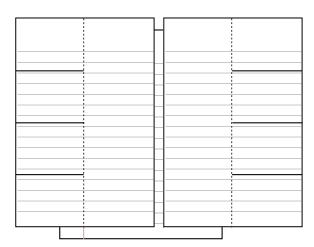
Step 2.

Trim the left edge off two additional sheets of paper.



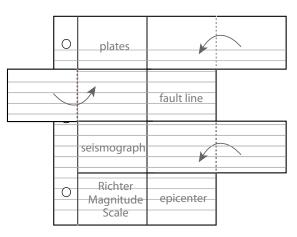
Step 3.

Fold both sheets vertically down the center. Then cut one side of each into four even horizontal sections.



Step 4.

Glue the two sheets onto the backing page. Line up the fold of the left page about 1" from the left edge of the backing page. Line up the right page fold with the right edge.



Step 5.

Fold the eight flaps into the middle and label.

0	plates	earthquake
) Words	seismic waves	fault line
O EarthquakeO Words	seismograph	focus
	Richter Magnitude Scale	epicenter

Outside completed view.